

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

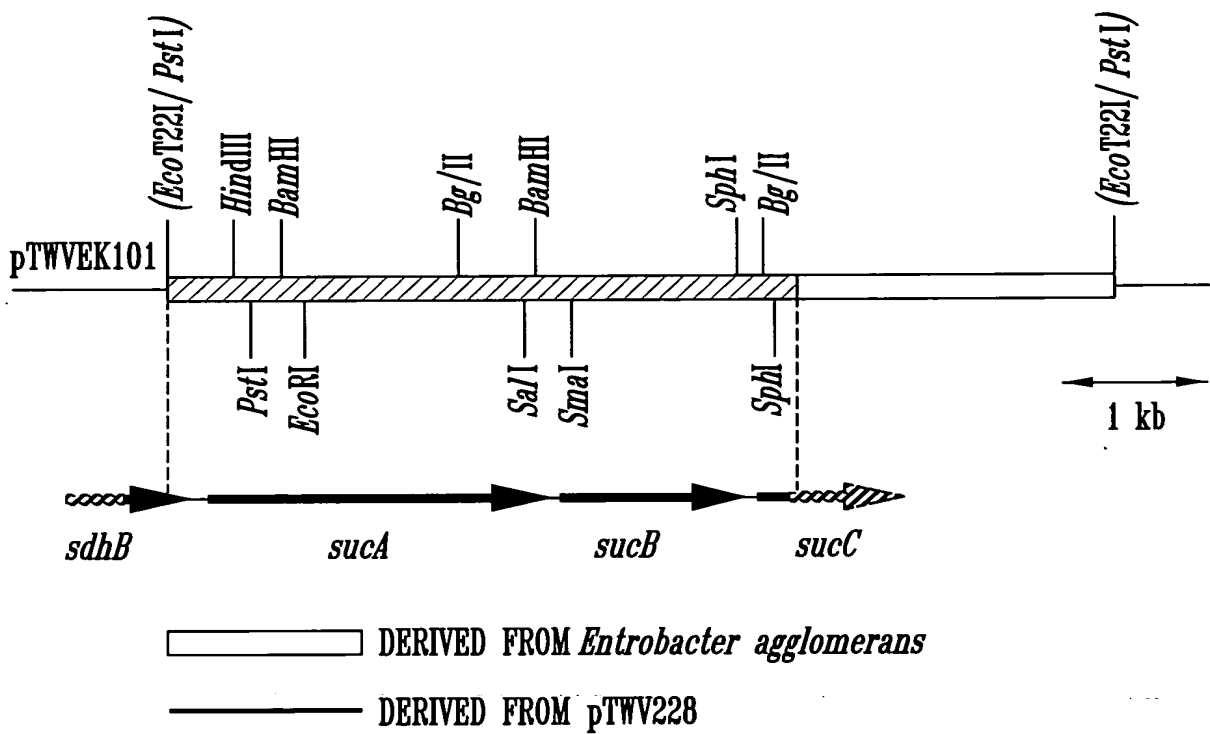
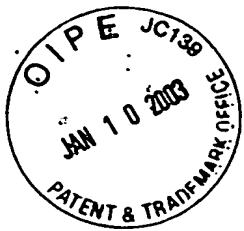


FIG. 1



APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

[88.0% / 935 aa]

1' MQNSAMKPWLDSSWLAGANQSYIEQLYEDFLTPDSDAVWRSMFQQLPGTGVKPEQFHS

1' MQNSALKAWLDSSYLSGANQSWIEQLYEDFLTPDSDANWRSTFQQLPGTGVKPDQFHS

61' ATREYFRRLAKDASRYTSSVTDPATNSKQVKVLQLINAFRFRGHQEANLDPLGLWKQDRV

61' QTREYFRRLAKDASRYSSSTISDPDTNVKQVKVLQLINAYRFRGHQHANLDPLGLWQQDKV

121' ADLDPAFHDLTDADFQESFNVGSFAIGKETMKLADLFDALKQTYCGSIGAEYMHINNTTE

121' ADLDPSPFHDLTEADFQETFNVGSFASGKETMKLGELLEALKQTYCGPIGAEYMHITSTEE

181' KRWIQQRIESGASQTSFSGEEKKGFLKELTAAEGLEKYLGAKFPGAKRFSLEGGDALVPM

181' KRWIQQRIESG--RATFNSEEKKRFLSELTAAGLERYLGAKFPGAKRFSLEGGDALIPM

241' LREMIRHAGKSGTREVVLGMAHRGRLNVLINVLGKKPQDLFDEFSGKHKEHLGTGDVKYH

239' LKEMIRHAGNSGTREVVLGMAHRGRLNVLNVNLGKKPQDLFDEFAGKHKEHLGTGDVKYH

301' MGFSSDIETEGGLVHLALAFNPSHLEIVSPVVMGSVRARLDRLAEPVSNKVLPIITIHGDA

299' MGFSSDFQTDGGLVHLALAFNPSHLEIVSPVVIGSVRARLDRLDEPSSNKVLPIITIHGDA

361' AVIGQGVVQETLNMSQARGYEVGGTVRIVINNQVGFTTSNPKDARSTPYCTDIGKMVLAP

359' AVTGQGVVQETLNMSKARGYEVGGTVRIVINNQVGFTTSNPLDARSTPYCTDIGKMVQAP

421 IFHVNADDPEAVAFVTRLALDYRNTFKRDVFIDLVCYRRHGHNEADEPSATQPLMYQKIK

419' IFHVNADDPEAVAFVTRLALDFRNTFKRDVFIDLVSYRRHGHNEADEPSATQPLMYQKIK

FIG. 2A



APPROVED BY	CLASS	SUBCLASS
DRAFTSMAN		

481' KHPTPRKIYADRLEGEVASQEDATEMVNLYRDALDAGECVVPEWRPMSLHSFTWSPYLN

479' KHPTPRKIYADKLEQEKVATLEDATEMVNLYRDALDAGDCVVAEWRPMMHSFTWSPYLN

541' HEWDEYPYPAQVDMKRLKELALRISQVPEQIEVQSRVAKIYNDRKLMAEGEKAFDWGGAEN

539' HEWDEEYPNKKVEMKRLQELAKRISTVPEAVEMQSRVAKIYGDRQAMAAGEKLFDWGGAEN

601' LAYATLVDEGIPVRLSGEDSGRGTFHRHAVVHNQANGSTYTPLHHIHSQGEFKVWDSV

599' LAYATLVDEGIPVRLSGEDSGRGTFHRHAVIHNSNGSTYTPLQHIHNGQGAFRVWDSV

661' LSEEAVLAFEYGYATAEPRVLTWEAQFGDFANGAQVVIDQFISSGEQKWGRMCGLVMLL

659' LSEEAVLAFEYGYATAEPRLTWEAQFGDFANGAQVVIDQFISSGEQKWGRMCGLVMLL

721' PHGYEGQGPEHSSARLERYLQLCAEQNMQVCVPSTPAQVYHMLRRQALRGMRRPLVVMSP

719' PHGYEGQGPEHSSARLERYLQLCAEQNMQVCVPSTPAQVYHMLRRQALRGMRRPLVVMSP

781' KSLLRHPLAISSLELANGSFQPAIGEIDDLDPQGVKRVLCSGKVYYDLLEQRRKDEKT

779' KSLLRHPLAVSSLELANGTFLPAIGEIDELDPKGVKRVMCSGKVYYDLLEQRRKNNQH

841' DVAIVRIEQLYPFPHQAVQEALKAYSHVQDFVWCQEEPLNQGAWYCSQHHFRDVVPFGAT

839' DVAIVRIEQLYPFPHKAMQEVLLQFAHVKDFVWCQEEPLNQGAWYCSQHHFREVIPIFGAS

901' LRYAGRPASASPAVGYSVHQQQQDLVNDALNVN

899' LRYAGRPASASPAVGYSVHQKQQQDLVNDALNVE

FIG. 2B



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

[88.2% / 407 aa]

1' MSSVDILVPDLPESVADATVATWHKKPGDAVSRDEVIVEIETDKVVLEVPASADGVLEAV

1' MSSVDILVPDLPESVADATVATWHKKPGDAVVRDEVLEIETDKVVLEVPASADGILDAV
61' LEDEGATVTSRQILGRLKEGNSAGKESSAKAESNDTTPAQRQTASLEEESDALSPAIRR

61' LEDEGTTVTSRQILGRLREGNSAGKETSAKSEEKASTPAQRQQASLEEQNNDALSPAIRR
121' LIAEHNLDAAQIKGTGVGGRLTREDVEKHLANKPQAEKAAAPAAGAATAQQPVANRSEKR

121' LLAEHNLDASAIKGTGVGGRLTREDVEKHLAKAPAKE--SAPAAAAPAAQPALAARSEKR
181' VPMTRLRKRVAERLLEAKNSTAMLTTFNEINMKPIMDLRKQYGDFAFEKRHGVRLGFMSFY

179' VPMTRLRKRVAERLLEAKNSTAMLTTFNEVNMKPIMDLRKQYGEAFEKRHGIRLGFMSFY
241' IKAVVEALKRYPEVNASIDGEDVVYHNYFDVSI AVSTPRGLVTPVLRDVDALSMADIEKK

239' VKAVVEALKRYPEVNASIDGDDVVYHNYFDVSM AVSTPRGLVTPVLRDVDTLGMADIEKK
301' IKELAVKGRDGKLTVDL TGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAV

299' IKELAVKGRDGKLTVEDL TGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAV
361' NGQVVILPMMYLALSYDHRLIDGRESVGYLVAVKEMLEDPARLLLDV

359' NGQVEILPMMYLALSYDHRLIDGRESVGLVTKELLEDPTRLLLDV

FIG. 3

[95.1% / 41 aa]

1' MNLHEYQAKQLFARYGMPAPTGYACTTPREAEAAASKIGAG

1' MNLHEYQAKQLFARYGLPAPVGYACTTPREAEAAASKIGAGPWVVKCQVHAGGRGKAGGV

FIG. 4

[97.4% / 39 aa]

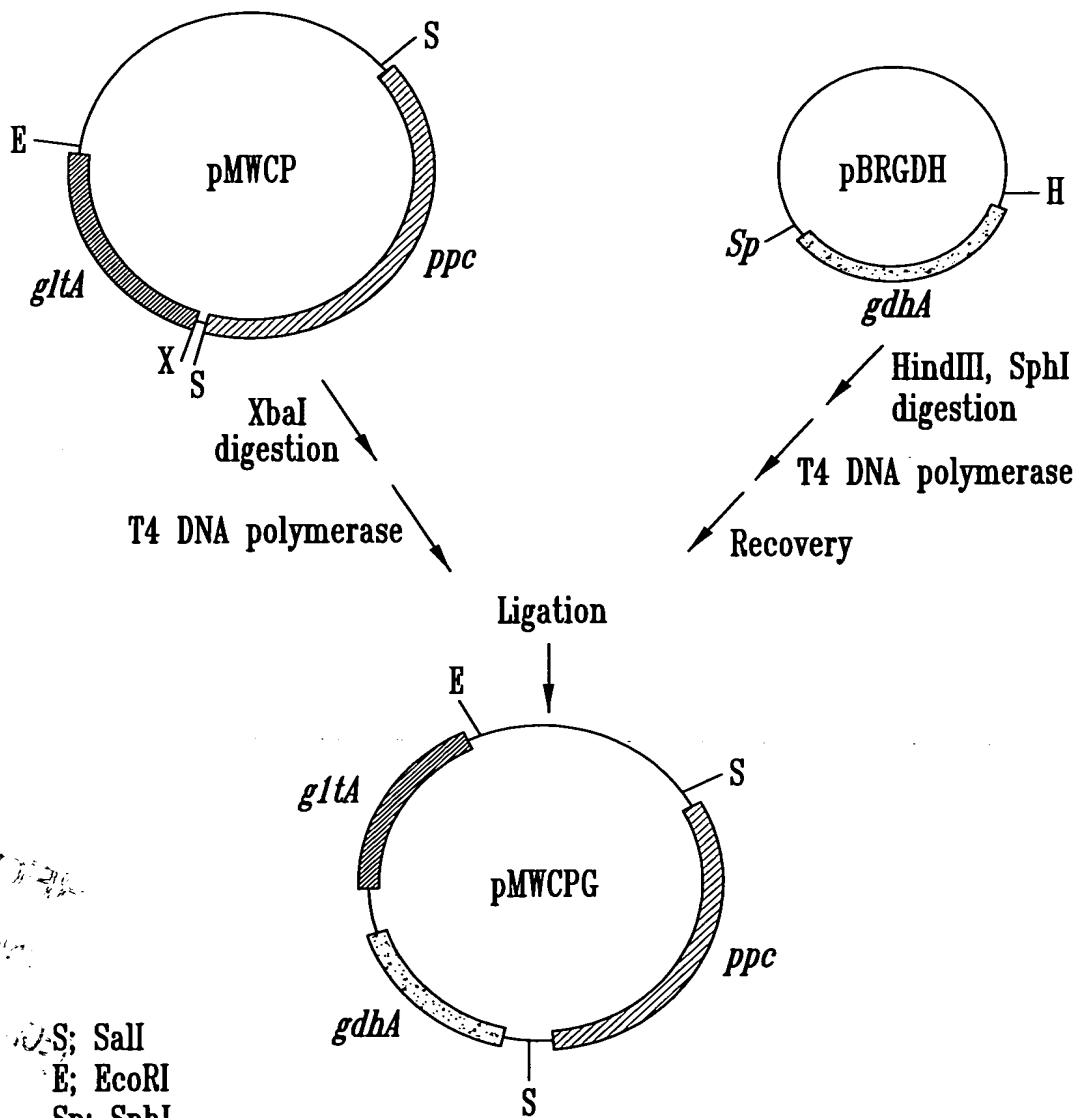
1' AFSVFRCHSIMNCVSVC PKGLNPTRAIGHIKSM LLQRSA

181' FLIDSRDTETDSRLDGLS DAFSVFRCHSIMNCVSVC PKGLNPTRAIGHIKSM LLQRNA

FIG. 5



APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	



S; SalI
E; EcoRI
Sp; SphI
X; XbaI
H; HindIII

FIG. 6



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

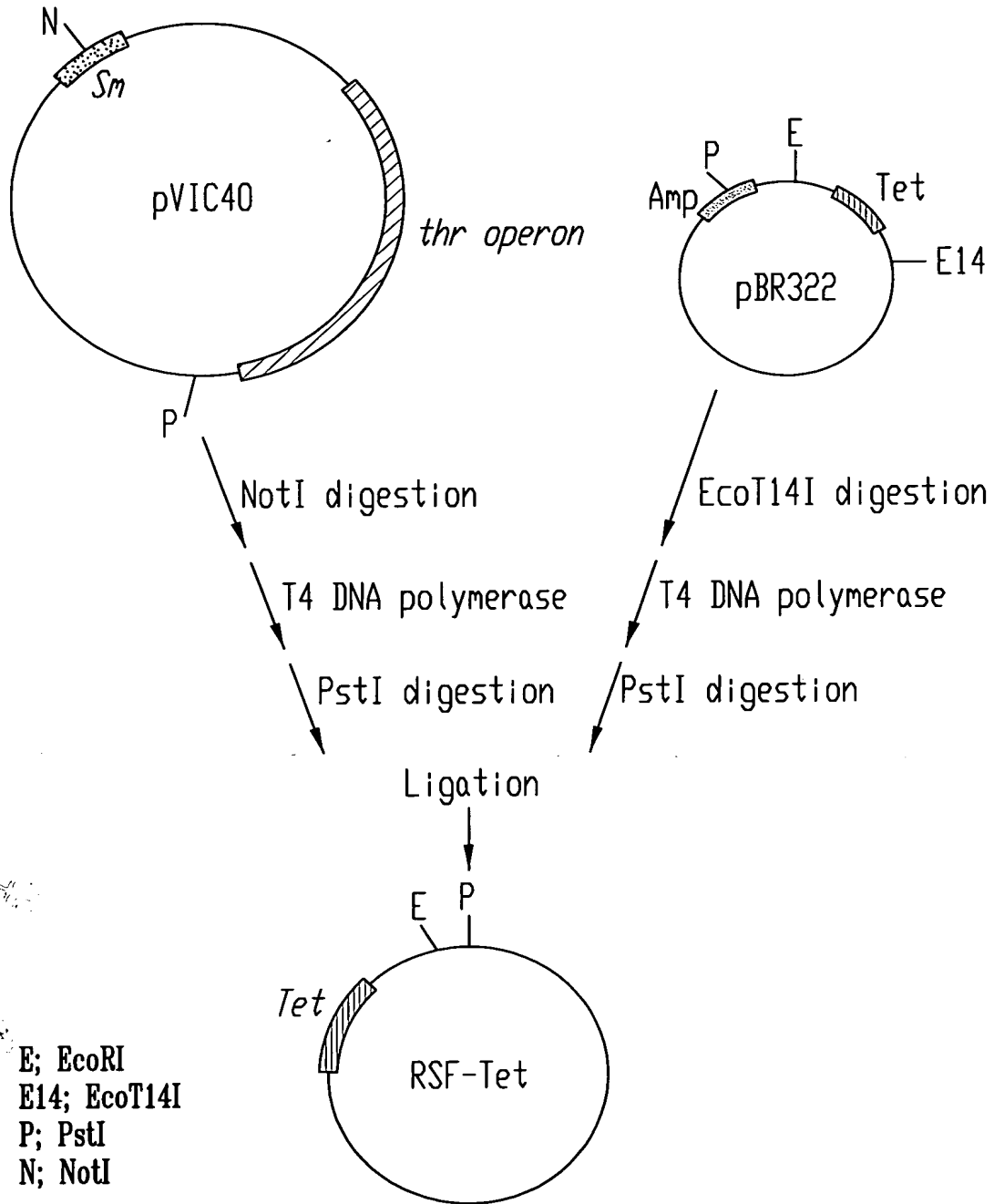
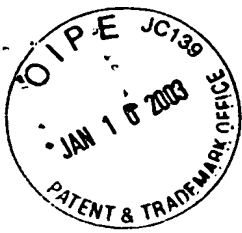
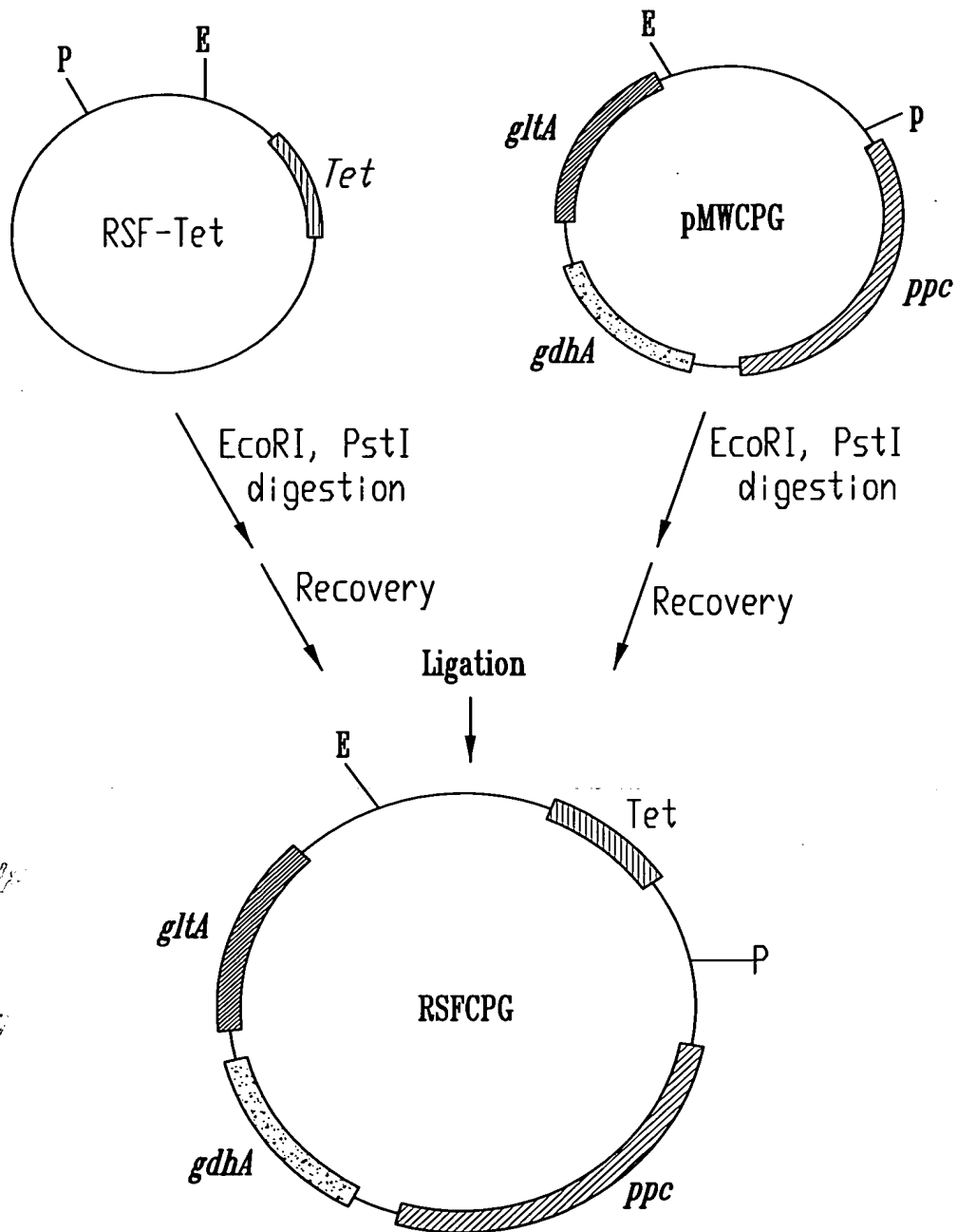


FIG. 7

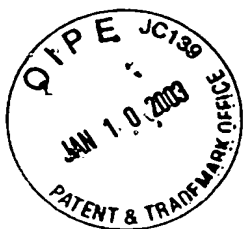


APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS



E; EcoRI
P; PstI

FIG. 8



APPROVED	O.G. FIG.	SUBCLASS
BY	CLASS	
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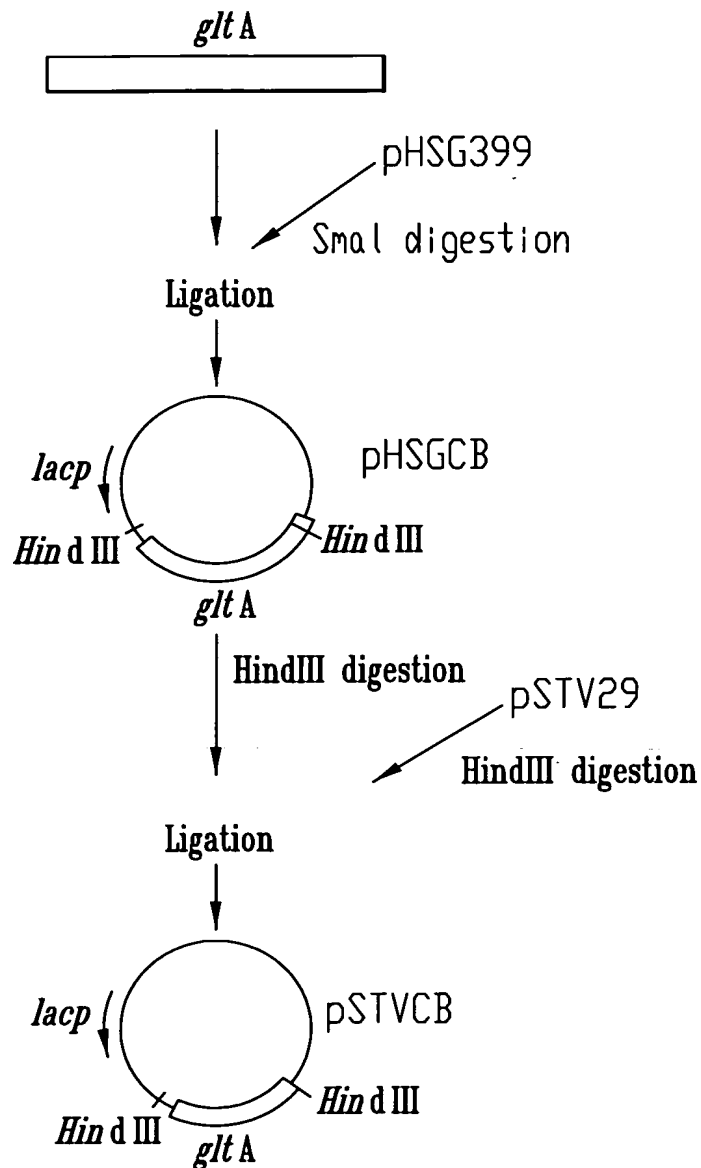


FIG. 9